

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.

Secretary to the Commission

VOLUME 10. Part 10. Pp. 299—312

OPINION 343

Designation of a type species for the nominal genus
Eureum Nitzsch, 1818 (Class Insecta, Order Mallophaga)
in harmony with accustomed nomenclatorial usage



LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1955

Price Seven Shillings

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INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN OPINION 343

A. The Officers of the Commission

Honorary Life President : Dr. Karl Jordan (*British Museum (Natural History),
Zoological Museum, Tring, Herts., England*).

President : (Vacant).

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*).

Secretary : Mr. Francis Hemming (*London, England*).

B. The Members of the Commission

(arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology).

Senhor Dr. Afranio do AMARAL (*S. Paulo, Brazil*) (*Vice-President*) (1st January 1944).

Professor J. R. DYMOND (*University of Toronto, Toronto, Canada*) (1st January 1944).

Professor J. Chester BRADLEY (*Cornell University, Ithaca, N.Y., U.S.A.*) (28th March 1944).

Professor Harold E. VOKES (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (23rd April 1944).

Dr. William Thomas CALMAN (*Coulsdon, Surrey, England*) (1st January 1947).

Professor Béla HANKÓ (*Békéscsaba, Hungary*) (1st January 1947).

Dr. Norman R. STOLL (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (1st January 1947).

Professor H. BOSCHMA (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947).

Senor Dr. Angel CABRERA (*Eva Peron, F.C.N.G.R., Argentina*) (27th July 1948).

Mr. Francis HEMMING (*London, England*) (*Secretary*) (27th July 1948).

Dr. Joseph PEARSON (*Tasmanian Museum, Hobart, Tasmania, Australia*) (27th July 1948).

Dr. Henning LEMCHE (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948).

Professor Teiso ESAKI (*Kyushu University, Fukuoka, Japan*) (17th April 1950).

Professor Pierre BONNET (*Université de Toulouse, France*) (9th June 1950).

Mr. Norman Denbigh RILEY (*British Museum (Natural History), London*) (9th June 1950).

Professor Tadeusz JACZEWSKI (*Department of Systematic Zoology, Warsaw University, Warsaw, Poland*) (15th June 1950).

Professor Robert MERTENS (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a. M., Germany*) (5th July 1950).

Professor Erich Martin HERING (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950).

OPINION 343

DESIGNATION OF A TYPE SPECIES FOR THE NOMINAL GENUS "EUREUM" NITZSCH, 1818 (CLASS INSECTA, ORDER MALLOPHAGA) IN HARMONY WITH ACCUSTOMED NOMENCLATORIAL USAGE

RULING :—(1) Under the Plenary Powers, (a) all type selections for the nominal genus *Eureum* Nitzsch, 1818 (Class Insecta, Order Mallophaga) made prior to the present Ruling are hereby set aside, and (b) *Eureum cimicoides* Burmeister, 1838, is hereby designated as the type species of the foregoing genus.

(2) The under-mentioned generic names are hereby placed on the *Official List of Generic Names in Zoology* with the Name Nos. 854 to 856 :—(a) *Eureum* Nitzsch, 1818 (gender : neuter) (type species, by designation, under the Plenary Powers, under (1)(b) above : *Eureum cimicoides* Burmeister, 1838) ; (b) *Hirundoecus* Ewing, 1930 (gender : masculine) (type species, by original designation : *Hirundoecus americanus* Ewing, 1930) (for use by those specialists who regard the type species of this genus as not being congeneric with *Machaerilaemus latifrons* Harrison, 1915, the type species of *Machaerilaemus* Harrison, 1915) ; (c) *Machaerilaemus* Harrison, 1915 (gender : masculine) (type species, by original designation : *Machaerilaemus latifrons* Harrison, 1915).

(3) The under-mentioned specific names are hereby placed on the *Official List of Specific Names in Zoology* with the Name Nos. 461 to 464 respectively :—(a) *cimicoides* Burmeister, 1838, as published in the combination *Eureum cimicoides* (specific name of type species, by designation under the Plenary Powers under (1)(b) above of *Eureum* Nitzsch, 1818) ; (b) *malleum* Burmeister, 1838, as published in the combination *Eureum malleum* ; (c) *americanus* Ewing, 1930, as published in the combination *Hirundoecus americanus* (specific name of type species of *Hirundoecus* Ewing, 1930) ; (d) *latifrons* Harrison, 1915, as published in the combination *Machaerilaemus latifrons* (specific name of type species of *Machaerilaemus* Harrison, 1915).

(4) The under-mentioned generic names or reputed generic names are hereby placed on the *Official Index of Rejected and Invalid Generic Names in Zoology* with the Name Nos. 239 and 240 respectively :—(a) *Arndtiella* Eichler, [1946] (a junior objective synonym of *Eureum* Nitzsch, 1818, as defined under the Plenary Powers under (1)(b) above) ; (b) *Arndtiella* Eichler, 1948 (a junior homonym of *Arndtiella* Eichler, 1946, and a junior objective synonym of *Eureum* Nitzsch, 1818, as defined under the Plenary Powers under (1)(b) above).

I.—THE STATEMENT OF THE CASE

The name *Eureum* Nitzsch, 1818, was one of a number of generic names in the Order Mallophaga (Class Insecta) which formed the subject of a preliminary inquiry addressed to the Commission by Mr. G. H. E. Hopkins (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*) on 2nd June 1948. On 31st August of the same year Mr. Hopkins submitted a formal application to the Commission in regard to these names. For the reasons explained in paragraph 3 below it became necessary at a later date somewhat to revise the form of the application submitted. The application, so revised, in so far as it related to the generic name *Eureum* Nitzsch, 1818, was as follows :—

Proposed use of the Plenary Powers to designate a type species for the genus “*Eureum*” Nitzsch, 1818 (Class Insecta, Order Mallophaga) in harmony with current nomenclatorial practice

By G. H. E. HOPKINS, O.B.E., M.A.

(*British Museum (Natural History), Zoological Museum, Tring, Herts*)

The object of the present application is to ask the International Commission on Zoological Nomenclature to give a ruling, if necessary under the Plenary Powers, that *Eureum cimicoides* Burmeister, 1838

(*Handb. Ent.* 2 (2) : 441) is the type species of the genus *Eureum* Nitzsch, 1818 (in Germar's *Mag. Ent.* 3 : 301), in order to prevent the serious confusion which would arise if, as has been argued by Eichler, it were necessary under the *Règles* to accept *Eureum malleum* Burmeister, 1838 (*loc. cit.* 2 : 441) as the type species of this genus. The facts of this case are set out in the following paragraphs.

2. In 1818 (: 301) Nitzsch published the generic name *Eureum*¹; he gave an indication for this name, thereby making it available under the Article 25, but he cited under it only two *nomina nuda*, namely *Eureum cimicoides* and *Eureum malleum*. This nominal genus is thus one established without any included nominal species. Accordingly, up to 1948 it would have been necessary to apply the ruling given in *Opinion* 46 in order to determine what is the type species of this genus. Fortunately, however, it is no longer necessary to attempt this difficult operation, for in 1948 the International Congress of Zoology (on the advice of the International Commission) substituted clear and self-consistent provisions for the, in part, self-contradictory ruling given in the foregoing *Opinion* (see 1950, *Bull. zool. Nomencl.* 4 : 159—160, 346). Under this ruling, we have first to ascertain when this generic name was first subsequently used by an author who cited under it nominal species, the names of which had been validly published with an indication, definition or description, the nominal species so cited being, under the foregoing ruling by the Congress the only species to be treated as being originally included species and therefore, where more than one such species is so cited, as the only species eligible to be selected by a later author as the type species of this genus.

3. The first occasion on which any validly described nominal species were clearly referred to the genus *Eureum* Nitzsch, 1818, was in 1838, when Burmeister (2 : 441) published descriptions of two nominal species, *Eureum cimicoides* and *Eureum malleum* (using, it will be noted, the two specific names cited as *nomina nuda* in 1818 by Nitzsch, whose material was before Burmeister when he published these descriptions). Under the Paris decision quoted above, these two nominal species alone are eligible for selection as the type species of *Eureum* Nitzsch, 1818.

4. In 1911 Johnston & Harrison (*Proc. linn. Soc. N.S.W.* 36 : 321—328) selected type species for a number of genera of the Order Mallophaga; in the list given in their paper they placed an asterisk against the name of each genus, the type species of which they regarded themselves as having selected on this occasion. Of the genus *Eureum*, against the name of which no asterisk was placed, these authors wrote :—“*Eureum* N. is included by Neumann in his list of genera, though Kellogg (1899, p. 133) has shown it to be based on immature forms of

¹ The taxon *Eureum* was treated by Nitzsch as a subgenus of *Liotheum*, and accordingly the name *Eureum* Nitzsch was published as a subgeneric name.

a *Menopon*. The latter author has studied *E. malleus* N. (= *E. malleum*) which, being the better known of Nitzsch's two species, may be taken as the type."

5. Five years later Harrison (1916, *Parasitology* 9 : 21) listed what he called "*Eureum cimicoides* Nitzsch" (i.e. *Eureum cimicoides* Burmeister, 1838) as the type species of the genus *Eureum* Nitzsch; in the body of the same paper (: 62) Harrison attributed this species to "Nitzsch in Burmeister". In making the foregoing statement regarding the type species of this genus, Harrison must either have considered that he and Johnson had not selected *Eureum malleum* Burmeister as the type species in 1911 or have forgotten the action then taken or have decided to ignore it.

6. Subject to the single exception noted below, all subsequent authors have accepted *Eureum cimicoides* Burmeister as having been validly selected as the type species of *Eureum* Nitzsch, 1818, by Harrison in 1916. It may be noted also that all authors subsequent to Harrison have considered *E. cimicoides* Burmeister and *E. malleum* Burmeister as not being congeneric with one another.

7. On page 20 of an undated instalment (probably distributed in 1946) of his multigraphed paper "Phthiraptera Mundi Catalogus"² (the status of which, from the point of view of qualifying as having been duly published within the meaning of Article 25 (see 1950, *Bull. zool. Nomencl.* 4 : 215—221) must at present be regarded as doubtful) Dr. Eichler took the view that the action taken by Johnston & Harrison in 1911 (in the passage already quoted) constitutes a valid selection by those authors of *Eureum malleum* Burmeister as the type species of the genus *Eureum* Nitzsch, 1818, and therefore that it was not open to Harrison in 1916 to select another species (*Eureum cimicoides* Burmeister) as the type species of this genus. Dr. Eichler accordingly transferred the name *Eureum* Nitzsch to the genus in which *Eureum malleum* Burmeister is now placed, sinking, as a synonym, the generic name *Hirundoecus* Ewing, 1930 (*Proc. U.S. nat. Mus.* 77 (No. 20) : 12), by which that species is now habitually known. At the same time Dr. Eichler established a new nominal genus (: 5) to which he gave the name *Arndtiella* and for which he designated *Eureum cimicoides* "Ntz. i. Brm." (i.e. *Eureum cimicoides* Burmeister, 1838) as the type species. About two years later—in 1948—Dr. Eichler again used the name *Arndtiella* (*Naturwissenschaftlichen Rundschau* 1948 (2) : 31),

² Mr. Hopkins has pointed out (*in litt.*, 5th May 1954) that the title given in his application for Dr. Eichler's work, namely "Phthiraptera Mundi Catalogus", was incorrect, the actual title being "Phthirapterarum Mundi Catalogus".

of which he then stated that the type species was "*Eureum cimicoides* Nitzsch in Burmeister". Thus, according to Dr. Eichler's view, the generic name *Arndtiella* Eichler should in future be used for the genus universally known by the name *Eureum* Nitzsch.

8. Hitherto I have taken the view that, under Rule (g) in Article 30, "rigidly construed" (as required by that Article), Johnson & Harrison (1911) did not select *Eureum malleum* Burmeister as the type species of *Eureum* Nitzsch, and I have felt confirmed in this view by reason of the fact that in this paper Johnston & Harrison did not place an asterisk against the name *Eureum* Nitzsch, as they did against the generic names included in that paper, for which on that occasion they selected type species. I have now seen the decision taken by the Thirteenth International Congress of Zoology in 1948 (on the recommendation of the International Commission) published last year (1950, *Bull. zool. Nomencl.* 4 : 181—182) that "an author is to be treated as having selected a given originally included nominal species to be the type species of the nominal genus concerned . . . provided in such a case the author concerned makes it clear that he himself accepts, for whatever reason, the species in question as the type species of the genus concerned". I recognise that the object of the foregoing provision was to give valid force to the very large number of currently accepted type selections which rest (as the papers in which they were published show) not upon a definite act of selection by the author concerned but upon a definite statement by that author that the species in question is the type species of the genus under consideration. But this decision by the Paris Congress in no way affects my opinion that Johnson & Harrison (1911) did not make any selection of a type species for *Eureum* Nitzsch, 1818. The phrase "may be taken as the type" to my mind definitely implies that it also may not be taken as the type, and is in no way the same as "is the type", and there is nowhere in Johnston and Harrison's paper a definite statement that any nominal species "is the type" of the nominal genus *Eureum*. However, as others may take a different view (as, indeed, Dr. Eichler has done) I am assuming for the purpose of this application that Johnston and Harrison did make a valid selection of a type species for *Eureum* Nitzsch, 1818.

9. As already explained, the acceptance of *E. malleum* Burmeister as the type species of *Eureum* Nitzsch, 1818, would overthrow the universal practice of all specialists in this group (except Dr. Eichler) and would give rise to totally unnecessary confusion and name-changing, involving, as it would, the transfer of the generic name *Eureum* Nitzsch, 1818, from the genus containing the species *Eureum cimicoides* Burmeister, 1838, to the genus to which the species *Eureum malleum* Burmeister, 1838, is referred by all authors, other than Dr. Eichler. In taking his action, Dr. Eichler applied to this latter genus the name *Hirundoecus* Ewing, 1930 (*Proc. U.S. nat. Mus.* 77 (No. 2843) : 12) (type species, by original designation : *Hirundoecus americanus* Ewing, 1930, *ibid.*

77 (No. 2843) : 12). In connection with this genus, it may at this point be noted that many authors (of whom I am one) do not consider that on taxonomic grounds the nominal genus *Hirundoecus* Ewing, 1930, is separable from *Machaerilaemus* Harrison, 1915 (*Parasitology* 7 : 389), the type species of which is, by original designation, *Machaerilaemus latifrons* Harrison, 1915 (*ibid.* 7 : 390).

10. In order to avoid the serious consequences indicated above, I accordingly now ask the International Commission on Zoological Nomenclature :—

(1) to use its Plenary Powers :—

- (a) to set aside all type selections for the genus *Eureum* Nitzsch, 1818, made prior to the decision now proposed to be given ;
- (b) to designate *Eureum cimicoides* Burmeister, 1838, to be the type species of the foregoing genus ;

(2) to place the undermentioned generic names on the *Official List of Generic Names in Zoology*³:—

- (a) *Eureum* Nitzsch, 1818 (type species, by designation, as proposed under (1) (a) above, under the Plenary Powers : *Eureum cimicoides* Burmeister, 1838) ;
- (b) *Hirundoecus* Ewing, 1930 (type species, by original designation : *Hirundoecus americanus* Ewing, 1930) (for use by those specialists who regard the type species of this genus as not being congeneric with *Machaerilaemus latifrons* Harrison, 1915, the type species of *Machaerilaemus* Harrison, 1915) ;
- (c) *Machaerilaemus* Harrison, 1915 (type species, by original designation : *Machaerilaemus latifrons* Harrison, 1915) ;

(3) to place the undermentioned trivial names on the *Official List of Specific Trivial Names in Zoology* :

- (a) *cimicoides* Burmeister, 1838, as published in the binominal combination *Eureum cimicoides* (trivial name of type species of *Eureum* Nitzsch, 1818) ;
- (b) *malleum* Burmeister, 1838, as published in the binominal combination *Eureum malleum* ;

³ As the result of an undetected printer's error, the name *Eureum* was incorrectly attributed in Point (2)(a) to Burmeister instead of to Nitzsch when this paper was published in 1951 (see paragraph 4 of the present *Opinion*).

- (c) *americanus* Ewing, 1930, as published in the binominal combination *Hirundoecus americanus* (trivial name of type species of *Hirundoecus* Ewing, 1930) ;
- (d) *latifrons* Harrison, 1915, as published in the binominal combination *Machaerilaemus latifrons* ;
- (4) to place the undermentioned generic names or reputed generic names on the *Official Index of Rejected and Invalid Generic Names in Zoology* :—
 - (a) *Arndtiella* Eichler, [1946] (a name which, if validly published, is an objective synonym of *Eureum* Nitzsch, 1818, as proposed, under (1)(b) to be defined under the Plenary Powers) ;
 - (b) *Arndtiella* Eichler, 1948 (an objective synonym of *Eureum* Nitzsch, 1818, as proposed, under (1)(b) above, to be defined under the Plenary Powers) ;

II.—THE SUBSEQUENT HISTORY OF THE CASE

2. Registration of the present application : When the present application was originally received, it was combined with an application relating to three other generic names in the Order Mallophaga (*Lipeurus*, *Colpocephalum* and *Gyropus*, all of Nitzsch, 1818) and the combined application so received was allotted the Registered Number Z.N.(S.) 343. Later, for the reason explained in paragraph 3 below, it was decided to treat the problem raised by the name *Eureum* Nitzsch, 1818, as constituting a separate application, and this part of Mr. Hopkins' application was accordingly re-registered under the Number Z.N.(S.) 532.

3. Revision of the application submitted in this case : At the time of the receipt from Mr. Hopkins of the combined application referred to in the preceding paragraph, the Paris Session of the Commission had just closed, and the task of preparing the Official Records of that Session had already started. This occupied the whole of the resources of the Commission until 1950 when volumes 3, 4, and 5 of the *Bulletin of Zoological Nomenclature*, the volumes devoted to these Records, were

published. It was only then that it was possible to resume preparations for the publication of volumes of the *Bulletin* containing applications in regard to individual names submitted to the Commission for decision. Certain of the decisions taken by the Paris Congress—notably those concerned with the placing of names on the *Official Lists* and *Official Indexes*—involved a certain amount of redrafting in the case of all applications at that time awaiting attention. The required revision of the application relating to the name *Eureum* Nitzsch was carried out in the early months of 1951. It was then decided that the issues raised in regard to the foregoing name were not sufficiently parallel with those presented by the three other names included in Mr. Hopkins' application for all four conveniently to be included in a single application to the Commission. Mr. Hopkins accordingly agreed to divide his application into two portions, the first concerned with the names *Lipeurus*, *Colpocephalum* and *Gyropus* of Nitzsch, 1818,⁴ the second with the name *Eureum* Nitzsch, 1818, with which alone the present *Opinion* is concerned. The application relating to the name *Eureum*, revised and separated in the manner described above, was submitted to the Commission on 15th April 1951.

4. Publication of the present application : The present application was sent to the printer at the end of April 1951 and was published on 28th September of that year in Part 2 of volume 6 of the *Bulletin of Zoological Nomenclature* (Hopkins, 1951, *Bull. zool. Nomencl.* 6 : 61—64).

5. Issue of Public Notices : Under the revised procedure prescribed by the Thirteenth International Congress of Zoology, Paris, 1948 (1950, *Bull. zool. Nomencl.* 4 : 51—56), Public Notice of the possible use by the International Commission on Zoological Nomenclature of its Plenary Powers in the present case was given on 28th September 1951, both in Part 2 of volume 6 of the *Bulletin of Zoological Nomenclature* (the Part in which Mr.

⁴ The case of the names *Lipeurus*, *Colpocephalum*, and *Gyropus* of Nitzsch, 1818, has been dealt with in *Opinion* 342 (the *Opinion* immediately preceding the present *Opinion*).

Hopkins' application was published) and also to the other prescribed serial publications. In addition, such notice was given to certain entomological serial publications in Europe and America.

6. Support for the present application received prior to publication : The consultation initiated by Mr. Hopkins prior to the submission of his application relating to the names *Lipeurus*, *Colpocephalum* and *Gyropus* described in *Opinion* 342 (paragraphs 6 and 7) covered also the case of the name *Eureum* Nitzsch, which (as explained in paragraph 3 above) at that time formed part of the application relating to the three foregoing names. Of the total of thirteen specialists in different parts of the world with whom it was then possible for Mr. Hopkins to communicate, the following eleven indicated their support for the present application : (1) W. Büttiker (*Zurich*) ; (2) Miss Theresa Clay (*London*) ; (3) W. Eichler (*Berlin*) ; K. C. Emerson (*Stillwater, Oklahoma, U.S.A.*) ; (5) L. R. Guimarães (*S. Paulo, Brazil*) ; (6) W. L. Jellison (*Hamilton, Montana, U.S.A.*) ; (7) S. von Kéler (*Berlin*) ; (8) R. Meinertzhagen (*London*) ; (9) E. O'Mahony (*Dublin*) ; (10) G. B. Thompson (*Kingston, Jamaica*) ; (11) F. L. Werneck (*Rio de Janeiro*).

7. Objections received prior to publication : In the consultation described in the preceding paragraph, two of the thirteen specialists concerned expressed themselves as being opposed to the action suggested. These were : (1) J. Bequaert (*Cambridge, Mass., U.S.A.*) and (2) J. E. Webb (*Aberdeen, Scotland*), both of whom objected to the use of the Plenary Powers for any purpose.

8. Support received after publication from Dr. Ernst Mayr (American Museum of Natural History, New York) : On 31st October 1951, Dr. Ernst Mayr (then of the *American Museum of Natural History, New York*) addressed a letter to the Commission commenting upon a number of recently published applications, in which, as regards the present case, he indicated his support as follows (Mayr, 1951, *Bull. zool. Nomencl.* 6 : 210):—

As an ornithologist, I strongly endorse all of Mr. Hopkin's proposals (1951, *Bull. zool. Nomencl.* 6 : 54—64) to stabilize the nomenclature of the Mallophaga.

III.—THE DECISION OF THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

9. Issue of Voting Paper V.P.(52)48 : On 15th May 1952, a Voting Paper (V.P.(52)48) was issued in which the Members of the Commission were invited to vote either for, or against, the proposal “ relating to the name *Eureum* Nitzsch, 1818, as set out in Points (1) to (4) at the foot of page 63 and on page 64 of volume 6 of the *Bulletin of Zoological Nomenclature* ” [i.e., in paragraph 10 of the application reproduced in the first paragraph of the present *Opinion*].

10. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the Three-Month Rule, the Prescribed Voting Period closed on 15th August 1952.

11. Particulars of the Voting on Voting Paper V.P.(52)48 : The state of the voting on Voting Paper V.P.(52)48 at the close of the Prescribed Voting Period was as follows :—

(a) *Affirmative Votes had been given by the following seventeen (17) Commissioners (arranged in the order in which Votes were received) :*

Riley ; Hering ; Calman ; Dymond ; Hankó ; Bonnet ;
Vokes ; do Amaral ; Pearson ; Bradley ; Hemming ;
Esaki ; Lemche ; Mertens ; Cabrera ; Stoll ; Boschma ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned, one (1) :*

Jaczewski.

12. Declaration of Result of Vote : On 16th August 1952, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P.(52)48, signed a Certificate that the Votes cast were as set out in

paragraph 11 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

13. Preparation of the Ruling given in the present "Opinion":
On 8th November 1954 Mr. Hemming prepared the Ruling given in the present *Opinion* and at the same time signed a Certificate that the terms of that Ruling were in complete accord with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(52)48.

14. The following are the original references for the names placed on *Official Lists* and *Official Indexes* in the Ruling given in the present *Opinion* :—

americanus, *Hirundoecus*, Ewing, 1930, *Proc. U.S. nat. Mus.* 77 (No. 2843) : 12
Arndtiella Eichler, [1946], *Phthirapterarum Mundi Cat.* : 5
Arndtiella Eichler, 1948, *Naturwissenschaftl. Rundsch.* 1948(2) : 31
cimicoides, *Eureum*, Burmeister, 1838, *Handb. Ent.* 2 (2) : 441
Eureum Nitzsch, 1818, *Mag. Ent.* (Germar) 3 : 301
Hirundoecus Ewing, 1930, *Proc. U.S. nat. Mus.* 77 (No. 2843) : 12
latifrons, *Machaerilaemus*, Harrison, 1915, *Parasitology* 7 : 390
Machaerilaemus Harrison, 1915, *Parasitology* 7 : 389
malleum, *Eureum*, Burmeister, 1838, *Handb. Ent.* 2 (2) : 441

15. The application dealt with in the present *Opinion* was published in the *Bulletin of Zoological Nomenclature* prior to the establishment of the *Official List of Family-Group Names in Zoology* by the Fourteenth International Congress of Zoology, Copenhagen, 1953. It has not been possible since then to deal with this aspect of the present case. This question is, however, now being examined on a separate File to which the Registered Number Z.N.(G.) 122 has been allotted.

16. At the time of the submission of the application dealt with in the present *Opinion*, the expression prescribed for the second portion of the binomen which constitutes the scientific name of a

species was the expression "trivial name" and the *Official List* reserved for recording such names was styled the *Official List of Specific Trivial Names in Zoology*, the word "trivial" appearing also in the title of the *Official Index* reserved for recording rejected and invalid names of this category. Under a decision taken by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the expression "specific name" was substituted for the expression "trivial name" and corresponding changes were made in the titles of the *Official List* and *Official Index* of such names (1953, *Copenhagen Decisions zool. Nomencl.* : 21). The changes in terminology so adopted have been incorporated in the Ruling given in the present *Opinion*.

17. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Opinion* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

18. The present *Opinion* shall be known as *Opinion* Three Hundred and Forty-Three (343) of the International Commission on Zoological Nomenclature.

DONE in London, this Eighth day of November, Nineteen Hundred and Fifty-Four.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING